

WHAT IS CLAIMED IS:

- 1 1. A data management method, comprising:  
2 providing a data engine;  
3 obtaining an observation at an output device;  
4 obtaining another observation at another output device,  
5 wherein said observation and said another observation  
6 define a plurality of different observations from a  
7 plurality of different output devices;  
8 sending said plurality of different observations from said  
9 plurality of different output devices to said data  
10 engine;  
11 storing said plurality of different observations in a  
12 database under control of said data engine; and  
13 in response to a report request:  
14 retrieving said plurality of different observations  
15 from said database in accordance with parameters in  
16 said report request to provide a plurality of  
17 retrieved observations; and  
18 producing a report based on said plurality of retrieved  
19 observations.
- 1 2. A clinical trial data management server method,  
2 comprising:  
3 receiving, at a server, a user profile provided by a  
4 client;

5 based on said user profile, indicating to said client one  
6 or more matching clinical trials;  
7 receiving a clinical trial selection from said client;  
8 providing to said client a selected clinical trial module  
9 indicated by said clinical trial selection and  
10 corresponding to a selected one of said matching  
11 clinical trials.

1 3. The clinical trial data management server method as set  
2 forth in claim 2, further comprising:  
3 receiving, at said server, clinical trial data relating to  
4 one of said clinical trials and including a respective  
5 data observation;  
6 storing said respective data observation in a database of  
7 data observations; and  
8 in response to a report request:  
9 retrieving selected ones of said data observations from  
10 said database in accordance with parameters in said  
11 report request to provide a plurality of retrieved  
12 observations; and  
13 producing a report based on said plurality of retrieved  
14 observations.

1 4. The clinical trial data management server method as set  
2 forth in claim 3, wherein said clinical trial data is  
3 provided to said server by a medical device.

1 5. The clinical trial data management server method as set  
2 forth in claim 3, wherein said clinical trial data is  
3 provided to said server over the Internet.

1 6. The clinical trial data management server method as set  
2 forth in claim 3, wherein said clinical trial data is  
3 provided to said server by a general-purpose computing  
4 device having said clinical trial data manually inputted by  
5 a user.

1 7. The clinical trial data management server method as set  
2 forth in claim 6, wherein said general-purpose computing  
3 device is one of: a personal computer, a handheld computing  
4 device, and a telephone.

1 8. The clinical trial data management server method as set  
2 forth in claim 3, wherein:

3 said server includes a data engine;

4 said data engine comprises a health data management module  
5 and a clinical trials management module;

6 said health data management module comprises data analysis  
7 algorithms used by said data engine to analyze said  
8 clinical trial data; and

9 said clinical trials management module:

10 selects said one or more matching clinical trials,

11 based on said user profile;

12 provides an approval of said clinical trial selection;  
13 and  
14 provides said selected clinical trial module.

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1 9. The clinical trial data management server method as set  
2 forth in claim 8, wherein said clinical trials management  
3 module performs said selecting of said one or more matching  
4 clinical trials by comparing said received user profile with  
5 clinical trials profiles stored in a clinical trials  
6 database.

1 10. The clinical trial data management server method as set  
2 forth in claim 8, wherein said health data management module  
3 comprises data analysis algorithms and is adapted to accept  
4 data for one or more of: cardiology data, diabetes data,  
5 allergy data, and immunology data.

1 11. The clinical trial data management server method as set  
2 forth in claim 8, wherein said health data management module  
3 is adapted to send analyzed data to said client, said  
4 analyzed data comprising one or more of: a data display,  
5 complex data charting, and trend identification.

1 12. The clinical trial data management server method as set  
2 forth in claim 11, wherein said complex data charting  
3 comprises mathematical EKG pattern analysis.

1 13. The clinical trial data management server method as set  
2 forth in claim 11, wherein said trend identification is  
3 based on a plurality of said data observations from a  
4 plurality of different medical devices.

1 14. A clinical trial data server, comprising;  
2 a data engine receiving a user profile provided by a  
3 client;  
4 said data engine having a clinical trials management  
5 module for analyzing said user profile and indicating to  
6 said client one or more matching clinical trials;  
7 said data engine receiving a clinical trial selection from  
8 said client;  
9 said clinical trials management module providing to said  
10 client a selected clinical trial module indicated by  
11 said clinical trial selection and corresponding to a  
12 selected one of said matching clinical trials.

1 15. The clinical trial data server as set forth in claim  
2 14, further comprising a health data management module  
3 receiving clinical trial data relating to one of said  
4 clinical trials, said clinical trial data including a

5    respective data observation; and said data engine storing  
6    said respective data observation in a database of data  
7    observations.

1    16. The clinical trial data server as set forth in claim  
2    15, wherein said data engine is adapted to receive said  
3    clinical trial data from a medical device.

1    17. The clinical trial data server as set forth in claim  
2    15, wherein said data engine is adapted to receive said  
3    clinical trial data over the Internet.

1    18. The clinical trial data server as set forth in claim  
2    15, wherein said data engine is adapted to receive said  
3    clinical trial data from a general-purpose computing device.

1    19. The clinical trial data server as set forth in claim  
2    18, wherein said general-purpose computing device is one of:  
3    a personal computer, a handheld computing device, and a  
4    telephone.

1    20. The clinical trial data server as set forth in claim  
2    15, wherein:  
3        said health data management module comprises data analysis  
4        algorithms used by said data engine to analyze said  
5        clinical trial data; and  
6        said clinical trials management module:

7        selects said one or more matching clinical trials,  
8        based on said user profile;  
9        provides an approval of said clinical trial selection;  
10       and  
11       provides said selected clinical trial module.

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1    21. The clinical trial data server as set forth in claim  
2    20, wherein said clinical trials management module performs  
3    said selecting of said one or more matching clinical trials  
4    by comparing said received user profile with clinical trials  
5    profiles stored in a clinical trials database.

1    22. The clinical trial data server as set forth in claim  
2    20, wherein said health data management module comprises  
3    data analysis algorithms and is adapted to accept data for  
4    one or more of: cardiology data, diabetes data, allergy  
5    data, and immunology data.

1    23. The clinical trial data server as set forth in claim  
2    20, wherein said health data management module is adapted to  
3    send analyzed data to said client, said analyzed data  
4    comprising one or more of: a data display, complex data  
5    charting, and trend identification.

1 24. The clinical trial data server as set forth in claim  
2 23, wherein said complex data charting comprises  
3 mathematical EKG pattern analysis.

1 25. The clinical trial data server as set forth in claim  
2 23, wherein said trend identification is based on a  
3 plurality of said data observations from a plurality of  
4 different medical devices.

1 26. A clinical trial client for use on a computer,  
2 comprising:

3 a module for sending a user profile to a clinical trial  
4 data server;

5 a module for receiving from said clinical trial data  
6 server an indication of one or more matching clinical  
7 trials;

8 a module for accepting a user selection of one of said one  
9 or more matching clinical trials, and sending to said  
10 clinical trial data server a clinical trial selection;  
11 and

12 a module for receiving and installing a clinical trial  
13 module corresponding to said clinical trial selection.

1 27. The clinical trial client as set forth in claim 26,  
2 further comprising a module for sending clinical trial data,



3 relating to said clinical trial selection, to said clinical  
4 trial data server.

1 28. A user interface for a clinical trial client for use on  
2 a computer, comprising:

3 an activatable region for data collection;  
4 an activatable region for displaying a data graph; and  
5 an activatable region for note operations.

1 29. The user interface as set forth in claim 28, further  
2 comprising said activatable region for data collection being  
3 responsive to obtain from a user a time indication as to  
4 whether an entry time relates to a morning observation or an  
5 evening observation.

1 30. The user interface as set forth in claim 29, further  
2 comprising obtaining responses to a respective set of  
3 assessment questions, said respective set of assessment  
4 questions being automatically selected based on said time  
5 indication.

1 31. The user interface as set forth in claim 28, further  
2 comprising said activatable region for data collection being  
3 responsive to obtain a quantitative data input relating to  
4 an observation with respect to a medical device.

1 32. The user interface as set forth in claim 28, further  
2 comprising said activatable region for data collection being  
3 responsive to obtain notes concerning one or more of: a  
4 change of medication, a change of dose, and additional  
5 medications taken.

1 33. The user interface as set forth in claim 28, further  
2 comprising said activatable region for displaying said data  
3 graph being responsive to display a graph of data  
4 observations previously entered using said activatable  
5 region for data collection.

1 34. The user interface as set forth in claim 28, further  
2 comprising said activatable region for note operations being  
3 responsive to perform operations with respect to notes  
4 previously entered using said activatable region for data  
5 collection, said operations including one or more of: adding  
6 a note; changing a note; and deleting a note.